



**SHA Statewide**



**PROJECT:** Coordinated Highway Action Response Team (CHART)

**DESCRIPTION:** Install advanced traffic management system (ATMS) and advanced traffic information system (ATIS) technologies on Interstate highways and arterials statewide. Technologies include cameras, traffic detectors, weather sensors, dynamic message signs, highway advisory radios, web sites and telecommunication networks. CHART is comprised of five major components: 1) Traffic and Roadway Monitoring; 2) Incident Management; 3) Traveler Information; 4) System Integration and Communication; 5) Traffic Management.

**JUSTIFICATION:** Heavy volumes of traffic, stop-and-go commuter peaks, and lack of comprehensive information regarding current, real-time conditions on available alternatives contribute to and compound the effects of unexpected incidents. With the growth in traffic outpacing any realistic hope of expanding capacity through building new highways, or expanding existing ones, it is imperative to operate the existing highway system more efficiently through the application of Intelligent Transportation System (ITS) technologies and interagency teamwork.

**SMART GROWTH STATUS:**

- ☒ Project Not Location Specific or Location Not Determined  
☐ Project Within PFA  
☐ Grandfathered  
☐ Project Outside PFA; Subject to Exception  
☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

<u>Federal Funding By Year of Obligation</u>						
PHASE	FFY 2004	FFY 2005	FFY 2006	FFY 2007	FFY 2008 - 2009	FEDERAL CATEGORY
PP	0	0	0	0	0	----
PE	1760	1600	1260	840	2520	CMAQ
RW	0	0	0	0	0	----
CO	9580	5200	5440	4760	8580	CMAQ

**STATUS:** Engineering and Construction underway. This represents a summary of the Statewide CHART program. Individual corridor work is shown in the State Highway Administration's System Preservation Program.

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** Added \$10.4 million for further traffic management system projects. The additional funds are from adding fiscal year 2009 and new federal discretionary funds received through the Federal 2003 Transportation Appropriation Bill.

POTENTIAL FUNDING SOURCE:				<input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER						
<u>PROJECT CASH FLOW</u>										
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	<u>FOR PLANNING PURPOSES ONLY</u>				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2006.....	.....2007.....	.....2008.....	.....2009.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	28,796	19,296	2,100	1,900	1,500	1,000	1,500	1,500	9,500	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	167,674	126,074	11,400	6,200	6,500	5,700	5,100	6,700	41,600	0
Total	196,470	145,370	13,500	8,100	8,000	6,700	6,600	8,200	51,100	0
Federal-Aid	165,344	122,504	11,340	6,800	6,700	5,600	5,500	6,900	42,840	0

**FUNCTION :**

STATE - N/A

FEDERAL - N/A

STATE SYSTEM : N/A

**DAILY TRAFFIC : (USAGE IMPACTS)**

CURRENT () - N/A

PROJECTED () - N/A

**OPERATING COST IMPACT** N/A



**PROJECT:** Priority Places, Community Safety and Enhancement Projects

**DESCRIPTION:** This is the SHA element of the Statewide Neighborhood Conservation Program. Funds will be made available for highway transportation projects in designated revitalization areas. Areas will be designated by local jurisdictions, taking into account factors such as the age and number of abandoned and substandard structures, the extent of unemployment, and the redevelopment plans and strategies of the local jurisdiction. Project improvements include roadway reconstruction, lighting and drainage improvements, streetscaping and roadway improvements.

**JUSTIFICATION:** Some of Maryland's older urban areas contain significant investments in physical infrastructure that are underutilized due to their inability to attract new investment. MDOT is joining with other State agencies to target resources for these areas with the goal of increasing their attractiveness to private investment.

**SMART GROWTH STATUS:**

- ☐ Project Not Location Specific or Location Not Determined  
☒ Project Within PFA  
☐ Grandfathered  
☐ Project Outside PFA; Subject to Exception  
☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

Federal Funding By Year of Obligation						FEDERAL CATEGORY
PHASE	FFY 2004	FFY 2005	FFY 2006	FFY 2007	FFY 2008 - 2009	
PP	0	0	0	0	0	----
PE	0	0	0	0	0	----
RW	0	0	0	0	0	----
CO	0	0	0	0	0	----

**STATUS:** Construction underway. This sheet represents a summary of the NCP. Individual projects are shown in the SHA's System Preservation Program.

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** The cost increase of \$3.5 million is due to unfavorable bid prices.

POTENTIAL FUNDING SOURCE:				<input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER							
PROJECT CASH FLOW											
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
					.....2006.....	.....2007.....	.....2008.....	.....2009.....			
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	25,938	25,938	0	0	0	0	0	0	0	0	
Right-of-way	3,744	3,744	0	0	0	0	0	0	0	0	
Construction	146,430	104,230	29,800	12,400	0	0	0	0	42,200	0	
Total	176,112	133,912	29,800	12,400	0	0	0	0	42,200	0	
Federal-Aid	44,914	39,414	4,900	600	0	0	0	0	5,500	0	

**FUNCTION :**

STATE - N/A

FEDERAL - N/A

STATE SYSTEM : N/A

**DAILY TRAFFIC : (USAGE IMPACTS)**

CURRENT () - N/A

PROJECTED () - N/A

**OPERATING COST IMPACT** N/A



**PROJECT:** Sidewalk Program

**DESCRIPTION:** This program will provide matching funds for the construction of sidewalks adjacent to State highways. Fifty percent of project costs will be required from local and municipal project sponsors, except in urban revitalization areas where projects are eligible for 100 percent state funding, and in priority funding areas where projects are eligible for 75 percent state funding.

**JUSTIFICATION:** Program will support community revitalization efforts and efforts to encourage pedestrian usage along state highways consistent with the intent of the "Access 2000" legislation.

**SMART GROWTH STATUS:**

- ☒ Project Not Location Specific or Location Not Determined  
☐ Project Within PFA  
☐ Grandfathered  
☐ Project Outside PFA; Subject to Exception  
☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

Federal Funding By Year of Obligation						FEDERAL CATEGORY
PHASE	FFY 2004	FFY 2005	FFY 2006	FFY 2007	FFY 2008 - 2009	
PP	0	0	0	0	0	----
PE	0	0	0	0	0	----
RW	0	0	0	0	0	----
CO	0	0	0	0	0	----

**STATUS:** Engineering and Construction underway. Continuing to work with local jurisdictions to identify projects. This sheet represents a summary of the Sidewalk Program. Individual projects are shown in the State Highway Administration's System Preservation Program.

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** None.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER							
PHASE	TOTAL		PROJECT CASH FLOW						
	ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL
					.....2006.....	.....2007.....	.....2008.....	.....2009.....	BALANCE TO COMPLETE
Planning	0	0	0	0	0	0	0	0	0
Engineering	3,286	2,806	280	200	0	0	0	0	480
Right-of-way	254	174	40	40	0	0	0	0	80
Construction	23,543	19,303	2,480	1,760	0	0	0	0	4,240
Total	27,083	22,283	2,800	2,000	0	0	0	0	4,800
Federal-Aid	707	707	0	0	0	0	0	0	0

**FUNCTION :**

STATE - N/A

FEDERAL - N/A

STATE SYSTEM : N/A

**DAILY TRAFFIC : (USAGE IMPACTS)**

CURRENT () - N/A

PROJECTED () - N/A

**OPERATING COST IMPACT** N/A



**PROJECT:** Sound Barrier Program

**DESCRIPTION:** Funding to implement retrofit sound barrier projects that meet eligibility criteria.

**JUSTIFICATION:** Mitigating highway noise is an essential element of the Department's programs for environmental stewardship and community conservation.

**SMART GROWTH STATUS:**

- ☒ Project Not Location Specific or Location Not Determined  
☐ Project Within PFA  
☐ Grandfathered  
☐ Project Outside PFA; Subject to Exception  
☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

Federal Funding By Year of Obligation						
PHASE	FFY 2004	FFY 2005	FFY 2006	FFY 2007	FFY 2008 - 2009	FEDERAL CATEGORY
PP	0	0	0	0	0	----
PE	0	0	0	0	0	----
RW	0	0	0	0	0	----
CO	19743	0	0	0	0	NHS

**STATUS:** Engineering and Construction underway. This current program consolidates the total dollars available for sound barriers that meet eligibility criteria. Individual projects are shown in the State Highway Administration's System Preservation Program.

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** None.

POTENTIAL FUNDING SOURCE:				<input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER							
PROJECT CASH FLOW											
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
					.....2006.....	.....2007.....	.....2008.....	.....2009.....			
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	32,551	24,044	4,986	1,258	567	496	600	600	8,507	0	
Right-of-way	360	330	10	10	10	0	0	0	30	0	
Construction	271,488	231,525	9,404	20,532	7,823	2,204	0	0	39,963	0	
Total	304,399	255,899	14,400	21,800	8,400	2,700	600	600	48,500	0	
Federal-Aid	201,824	174,124	5,200	14,500	6,100	1,700	100	100	27,700	0	

**FUNCTION :**

STATE - N/A

FEDERAL - N/A

STATE SYSTEM : N/A

**DAILY TRAFFIC : (USAGE IMPACTS)**

CURRENT () - N/A

PROJECTED () - N/A

OPERATING COST IMPACT N/A

## SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

### STATE HIGHWAY ADMINISTRATION -- STATE WIDE LINE 5

ITEM NO.	ROUTE NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START Status as of December 1, 2003
		<u>Fiscal Year 2003 Completions</u>		
		<u>C.H.A.R.T. Projects</u>		
1		C.H.A.R.T. Statewide System Integration	8,897	Completed
		<u>Pilot Program</u>		
2		C.H.A.R.T. Statewide Communications Network	20,762	Completed
		<u>Enhancements</u>		
		<u>Archaeological Planning &amp; Research</u>		
3		Assessment of Cultural Resources - Development of an historical and archeological survey of cultural resources in transportation corridors in Kent and Queen Anne's Counties.	48	Completed
		<u>Fiscal Years 2004 and 2005</u>		
		<u>C.H.A.R.T. Projects</u>		
4		C.H.A.R.T. - I 97 and US 50 (Phase 2); advanced traffic management system additions	1,285	Underway
5		C.H.A.R.T. - I 695 and I 97 (Phase 2); advanced traffic management system additions	1,266	Underway
		<u>Enhancements</u>		
		<u>Archaeological Planning &amp; Research</u>		
6		Archeological and Historic sites data - Maryland Historic Trust - Develop historic resources and archeological sites information for use in transportation planning Geographic Information System.	524	Underway
7		Maryland's Historic Highway Bridges - Publication of a book, CD, and Web information on Maryland's historic bridges.	48	Underway

## SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

### STATE HIGHWAY ADMINISTRATION -- STATE WIDE LINE 5 (cont'd)

ITEM NO.	ROUTE NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START Status as of December 1, 2003
		<b><u>Fiscal Years 2004 and 2005 (cont'd)</u></b>		
		<b><u>Enhancements (cont'd)</u></b>		
		<b><u>Archaeological Planning &amp; Research (cont'd)</u></b>		
8		National Road National Register Nomination - Documentation of National Road properties and sites.	56	Underway
		<b><u>Landscaping/Scenic Beautification/Mitigation</u></b>		
9		Aesthetic Retrofits - Landscaping of SHA stormwater management facilities in highly visible areas and to increase diversity while minimizing thermal impacts.	436	Underway
		<b><u>Pedestrian and Bicycle Safety and Educational Activities</u></b>		
10		Smart Moves - A pedestrian safety campaign throughout Maryland promoting awareness through the new Street Smarts, Smart Moves campaign.	550	Underway
		<b><u>Environmental Mitigation</u></b>		
11		Environmental Stewardship Initiative - Reforestation - Improvements to 250 acres of SHA property at 32 statewide sites.	125	FY 2004
12		Fish Passages 5 - Construct retrofit fish passages on the Jones Falls under Ruxton Road at Falls Road in Baltimore County.	200	FY 2005
13		Functional Enhancement of Stormwater Management Facilities - Improvement of stormwater management facilities in Howard (27 sites) and Montgomery (17 sites) Counties.	883	FY 2004
14		Urban Storm Water Retrofit Pilot Program - Retrofit, monitoring and sampling of Low Impact Development (LID) practices within different urban arenas.	268	Underway
15		Watershed Revitalization Partnership - An initiative to expand existing efforts to protect and restore in-stream fish and wildlife habitat in targeted urban/suburban watersheds in partnership with the Maryland Department of Natural Resources.	6,000	Underway

# SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

## STATE HIGHWAY ADMINISTRATION -- STATE WIDE LINE 5 (cont'd)

ITEM NO.	ROUTE NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START Status as of December 1, 2003
		<b><u>Fiscal Years 2004 and 2005 (cont'd)</u></b>		
		<b><u>Enhancements (cont'd)</u></b>		
		<b><u>Environmental Mitigation (cont'd)</u></b>		
16		Wetlands Restoration Program - Replacement of tidal and non-tidal wetlands throughout Maryland.	500	Underway
		<b><u>Scenic/Historic Highway Programs/Visitor Centers</u></b>		
17		Civil War Driving Tour - Antietam - Develop a driving tour associated with the Battle of Antietam, including trail blazer signing, mapping, waysides and interpretive signing.	690	Underway
18		Civil War Driving Tour - Gettysburg - Develop a driving tour to Gettysburg, including trail blazer signing, mapping, waysides, interpretive signing, and interactive signs and displays for the Emmitsburg Welcome Center.	531	Underway
19		Keep Maryland Beautiful III - Continuation of Keep Maryland Beautiful and Anti-Litter Initiatives.	322	Underway
		<b><u>Miscellaneous</u></b>		
20		Miscellaneous Equipment	784	FY 2005